Table of contents

Compatible iPod & iPhone

iPod classic
80GB, 120 GB, 160GB

iPod nano
2nd generation (aluminum)
2GB 4GB 8GB

iPod nano
3rd generation (video)
4GB 8GB

iPod nano
4th gen. (video)
8GB 16GB

iPod nano
5th gen. (video camera)
8GB 16GB 32GB

iPod touch
1st gen
8GB 16GB 32GB
2nd gen
8GB 16GB 32GB 64GB

iPhone & iPhone 3G
4GB 8GB 16GB

iPhone 3GS
16GB 32GB

Icon Legend

press button   press & hold button for 2 seconds

FMRDS USB PRO

Universal integration solution
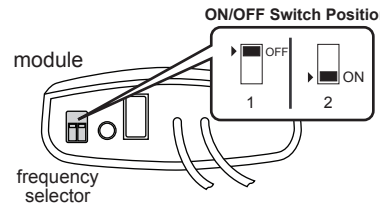**Installation Guide/User Manual**

DICE logo is a trademark of DICE Electronics, LLC. SiriusConnect, Sirius and XM logos are trademark of SiriusXM. The Made for iPod logo is a trademark of Apple Inc. Apple iPod is not included in the package. For our detailed terms and conditions please visit our website at www.diceelectronics.com.

REV. 031710

FMRDS USB-PRO kit contents

user manual   FMRDS USB PRO module   pro-install power cable   IR receiver   wireless remote
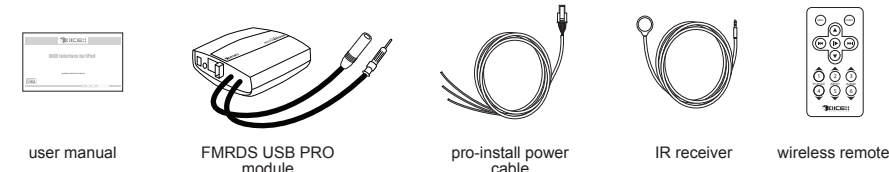
Note: iPod and dock cable is NOT included. Please use original Apple USB dock cable.

Frequency configuration settings:

ON/OFF Switch Positions

module

frequency selector

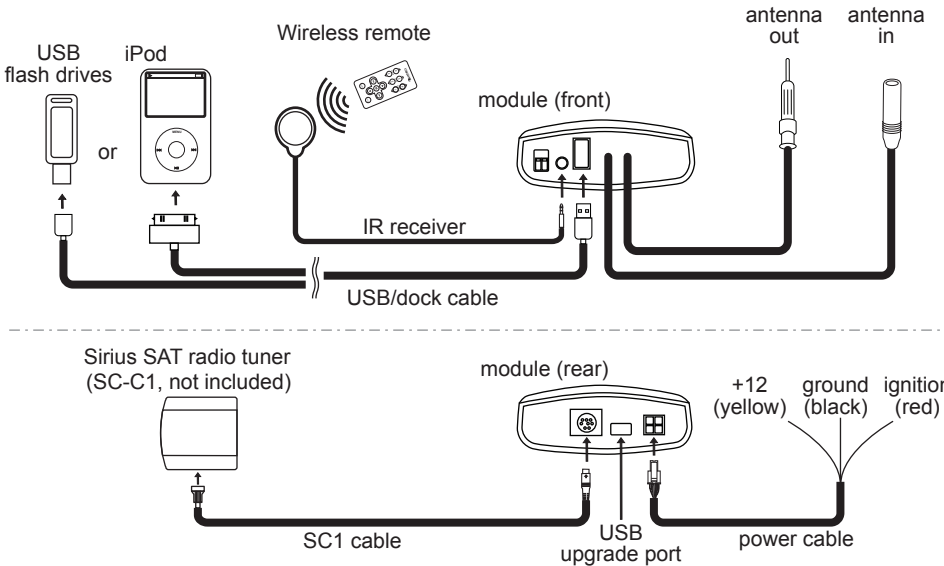| FM (MHz)	Dip switch 1	Dip switch 2
88.7	OFF	OFF
93.3	ON	OFF
97.5	ON	ON
107.7	OFF	ON

Basic operation

1. Power on the radio and select the FM source to tune to the preset station set by the configuration switches (see pg.3).

2. Tune the radio to the channel that is set by the frequency selector.

3. Connect the USB flash drive or iPod via docking cable to the FMRDS USB Pro module.

4. Use wireless remote to control devices.

Installation

1. VERIFY COMPATIBILITY. CERTAIN RADIOS REQUIRE ANTENNA ADAPTER(S), NOT INCLUDED IN THE KIT.
2. DISCONNECT BATTERY

3. REMOVE RADIO FROM CAR.

4. INSTALL FMRDS USB PRO CABLE. PLUG THE FACTORY RADIO ANTENNA TO THE RECEPTACLE ON THE MODULE.

5. TEST FOR 12V CONSTANT, 12V SWITCHED, AND GROUND SOURCES. SPLICE INTO WITH LEADS FROM POWER CABLE.
6. ROUTE KIT TO GLOVEBOX OR OTHER ACCESSIBLE LOCATION.

7. CONNECT BATTERY & TEST*.

8. COMPLETE INSTALL BY RE-INSTALLING RADIO.

9. SAVE FREQUENCY TO A PREFERRED PRESET ON THE RADIO IF DESIRED.

*Warning: Do NOT connect any mini-din and iPod cable used on other DICE Electronics products to the mini-din port. Failure to follow this will cause permanent damage to the unit/iPod!

Connection diagram

USB flash drives   iPod   or   Wireless remote   module (front)   antenna out   antenna in

IR receiver

USB/dock cable

Sirius SAT radio tuner (SC-C1, not included)   module (rear)   +12 (yellow)   ground (black)   ignition (red)

SC1 cable   USB upgrade port   power cable

Wireless remote functions for iPod/iPhone

Control	Function
Shuffle	Shuffle SONG (within a PLAYLIST) / Shuffle ALBUM / Shuffle off
	Repeat one / Repeat all / Repeat off
Next Track	Next Track
Previous Track	Previous Track
1	Skip to the next PLAYLIST
4	Skip to the previous PLAYLIST

SOURCE — Toggle the audio sources between iPod and SIRIUS

Play / Pause (when paused, the radio will return to FM station)

Toggle the audio sources between iPod and SIRIUS

3 — Skip to the next ALBUM
6 — Skip to the previous ALBUM

* ARTIST is currently not supported

MENU   SOURCE   PLAYLIST   ARTIST*   ALBUM   1 2 3 4 5 6

Wireless remote functions for USB flash drive

Shuffle SONG (within the flash drive) / Shuffle FOLDER / Shuffle off

Repeat one / Repeat all / Repeat FOLDER

Next Track

Previous Track

Skip ahead 10 Tracks every 1 second

Skip back 10 Tracks every 1 second

SOURCE — Toggle the audio sources between USB and SIRIUS

Play / Pause (when paused, the radio will return to FM station)

Toggle the audio source between USB and SIRIUS

3
2
1 — Skip to the next folder on the USB drive

6
5
4 — Skip to the previous folder on the USB drive

MENU   SOURCE   PLAYLIST   ARTIST   ALBUM   1 2 3 4 5 6

Wireless remote functions for SIRIUS

Next Category

Previous Category

Note: To display SIRIUS ID, go to channel 000.

Next Channel

Previous Channel

Skip ahead 10 Channels every 1 second

Skip back 10 Channels every 1 second

SOURCE — Toggle the audio sources between USB and SIRIUS

Toggle the audio source between USB and SIRIUS

1-6 — Recall preset SIRIUS channel

1-6 — Save the current SIRIUS channel in the corresponding preset.

MENU   SOURCE   PLAYLIST   ARTIST   ALBUM   1 2 3 4 5 6

Generic FAQ

Questions	Answers
Why is static noise heard when pressing the ⏵ button?	This is normal if there is no FM broadcast station on the frequency tuned. The FM-transmitter is turned off when the iPod/USB device is paused.
Why is static noise heard when iPod/USB is not connected?	This is normal if there is no FM broadcast station on the frequency tuned. The FM-transmitter is turned off when the iPod/USB is detached.
Why does the radio display show "EMPTY/STOP" and no music plays?	End of a playlist or folder is reached. Please select a new Playlist or Folder using the wireless remote.

iPod FAQ

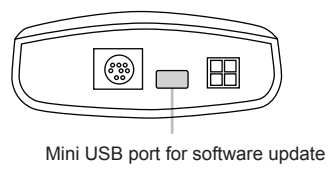| Questions	Answers
Why can't I hear audio from iPod?	Make sure to select the FM source on the radio and tune to the correct FM frequency set by the DIP switches (pg. 3). With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Reset the iPod. Verify iPod compatibility (pg. 1).
How can I switch back to local radio stations while the iPod/USB is connected?	With the pro-install, the iPod/USB device must be disconnected or paused before the vehicles factory antenna is reactivated.
Why can't I browse by ARTIST?	This feature is currently not supported by iPod/iPhone models.
Why can't I browse USB drive by PLAYLIST/ALBUM?	Browsing by PLAYLIST/ALBUM is only supported by compatible iPod/iPhone models.
How can I charge the iPod/iPhone and listen to a broad cast radio station?	After connecting the device just hit the ⏵ button.
Why is music distorted with iPod connected?	Make sure all EQ and BASS boost options are turned off on your iPod.

USB FAQ

Questions	Answers
Why can't I get any audio out of my device through USB?	Make sure that the device supports playing audio through USB. Portable hard drive are not supported.
What size of USB flash drive should I use?	Up to 4GB is recommended for optimal user experience, however large capacities are supported.
Why is the interface not controlling the USB drive?	Please make sure that the USB connection is not loose. Disconnect and reconnect the device. USB device must be FAT16/32 format and contain supported MP3, WMA or AAC content without DRM.
What if there isn't enough clearance on the DICE module to plug in my USB device?	Use the supplied USB extension cable for USB device.
Why does "Seek" message keep showing?	Shuffle is implemented by reading the full file system of the USB drive, and randomizing in memory. The more content you have the longer the process will take, 30 seconds is not unusual.

Firmware update

STEP 1: Disconnect the FMRDS USB PRO module from the vehicle.

STEP 2: Download and install necessary software from www.diceelectronics.com

STEP 3: Open software to follow instructions for updating FMRDS USB PRO unit.

STEP 4: Connect the FMRDS USB PRO via mini USB cable to the computer and update.

STEP 5: Disconnect and reinstall the unit into the vehicle.

Mini USB port for software update

Radio FAQ

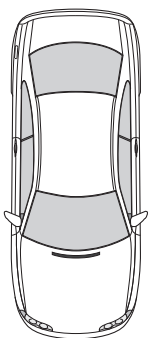| Questions	Answers
Why does radio display text of prior content after switching back to an FM station?	If the broadcast FM radio doesn't send RDS updates or have low signal, the radio may just show the last RDS stream.
Why does the radio display "Pause"?	This is an indication that the FMRDS USB PRO unit was deselected using the ⏵ button. This text may become overwritten if the broadcast station transmits RDS text, but pressing the ⏵ button again will activate the FMRDS USB PRO unit
Why does radio display incorrect tag infomation?	It may take a few seconds for the radio to capture new tags once content is changed.
My radio is RDS (RDBS) capable, but why am I not seeing text?	Some radio have a TEXT/MSG/RDS/INFO button that must be pressed before text is displayed.

SIRIUS FAQ

Questions	Answers
What type of SIRIUS tuner is supported?	SIRIUS SC-C1 tuner or SIRIUS portable models with vehicle dock (SC-VDOC-1) are supported.
Why is my SIRIUS portable's display and buttons disabled when connected to FMRDS USB Pro?	Display and controls of SIRIUS portable units are inactive when connected to an external module. This is normal operation. Use the wireless remote for control.
Can an XM tuner be connected?	No. Only SIRIUS tuners are supported.
Why is there no recognition of SIRIUS tuner?	Check connections between the tuner and FMRDS USB PRO module. Reconnected tuner and/or redock portable tuner. Cycle ignition for 30 seconds.
Why is the reception intermittent when listening to SIRIUS channels?	Make sure antenna for SIRIUS tuner is located where visibility to the sky is good. Try relocating to troubleshoot.
How do I switch back to FM from SIRIUS mode?	Press the SOURCE button. If iPod/USB is attached, press the ⏵ button.

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If experience any problems or need help, please contact your local dealer or call 888-342-3999, or visit our support site at http://www.diceelectronics.com/support.

Installation notes:

Installed by:	Illustration:
Installed date:	
Other notes:	